FIGURES

FIGURE 1

0.1 µM Retinoic acid + 3.5 µg/mL Composition (5 days)

5   Retinoic acid

FIGURE 2

1er Grafico

INF-γ (T lymphocytes)

10

FIGURE 3

PPAR-γ Luciferase

Eje X: Control   COMPOSITION

Eje Y: relative response

15

FIGURE 4

1er dibujo

PAF 100 nM

COMPOSITION 17.5 µg/mL

20

2° dibujo

Eje X: PAF 100 nM

             COMPOSITION

Eje Y: Maximal response percentage (%)

25

FIGURE 5

1er gráfico

Eje Y: Fluorescence (UA)

Eje X: Time (minutes)

Aβ

Aβ + 17.5 µg/mL Composition

5

FIGURE 6:

Andrographolide Chemical structure

i. General formula: $C_{20}H_{30}O_5$

ii. Molecular weight: 350.46

10 iii. Molecular nomenclature: 3-[2-[decahydro-6-hydroxy-5-(hydroxy-methyl)-5,ha-dimethyl-2-methylen-1-naphthalenyl]ethylidene]dihidro-4-hydroxy-2(3h)-furanone.

iv. Molecular structure:
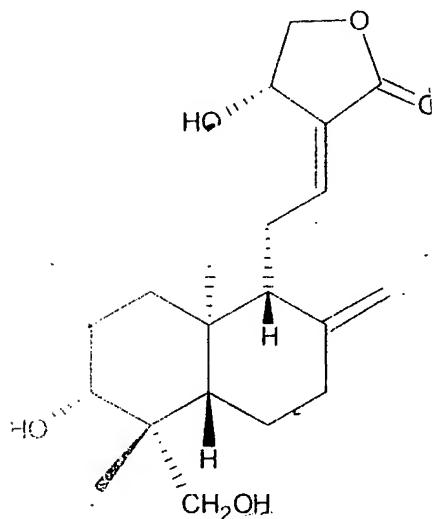
15

FIGURE 7

14-Deoxyandrographolide Chemical structure

i. General formula: $C_{20}H_{30}O_4$

20 ii. Molecular weight: 336.46

iii.   Molecular structure:
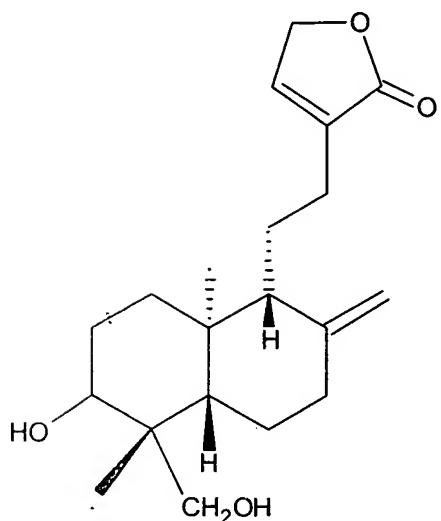
FIGURE 8

5   Neoandrographolide Chemical structure

i.   General formula: $C_{20}H_{41}O_8$

ii.   Molecular weight: 326.46

iii.   Molecular structure:
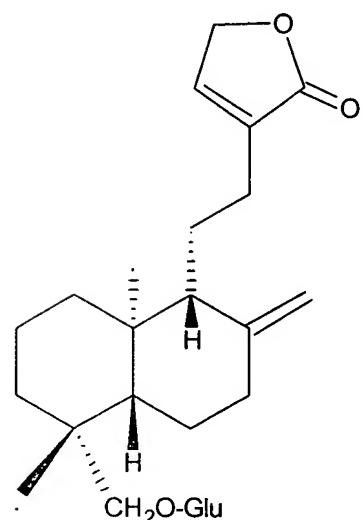
10

drawings.tif (2560x4224x2 tiff)

Figure 1

100 nM PAF

0.1µM Retinoic acid + 3.5 µg/mL Composition (5 days)

Retinoic acid 0.1 µM (5 days)
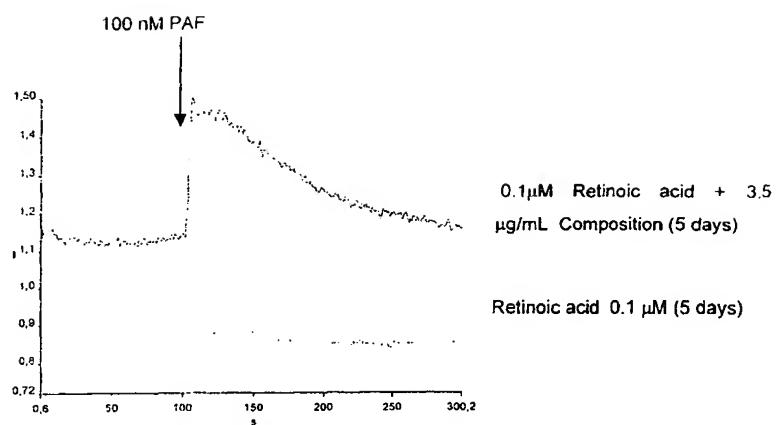
drawings.tif (2560x4224x2 tiff) [2]

Figure 2

INF-γ T (LYMPHOCYTES)
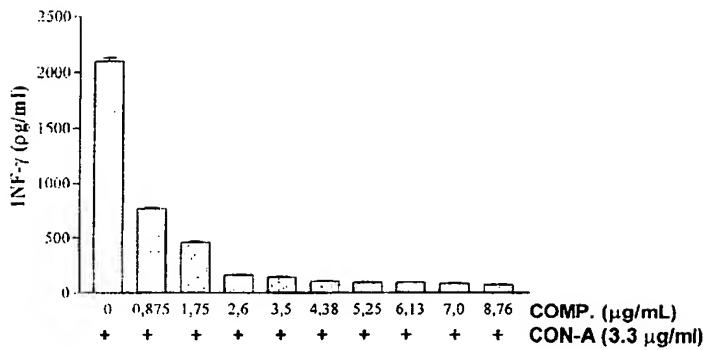
IL-2 (T-cells)
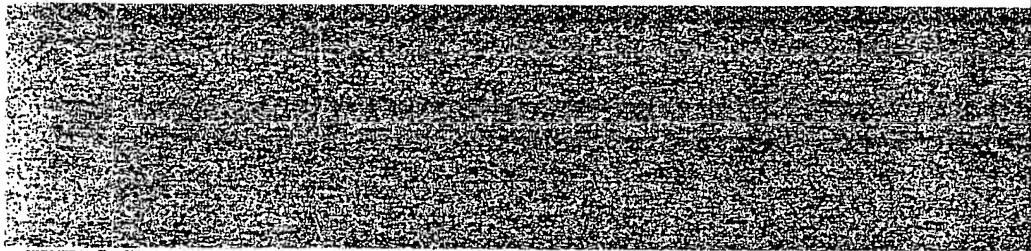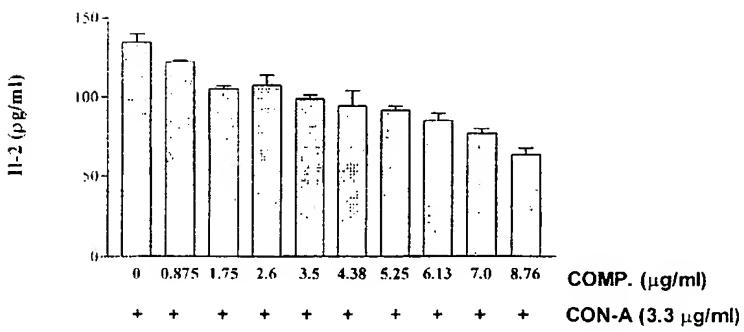
Figure 3

PPARγ-Luciferase
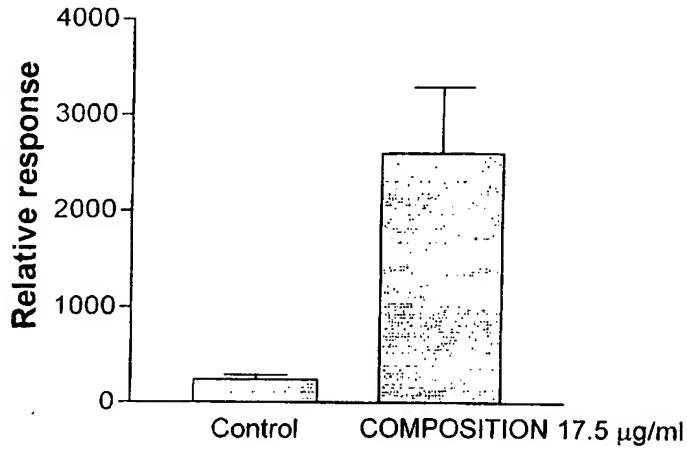
drawings.tif (2560x4224x2 tiff) [4]

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Figure 4
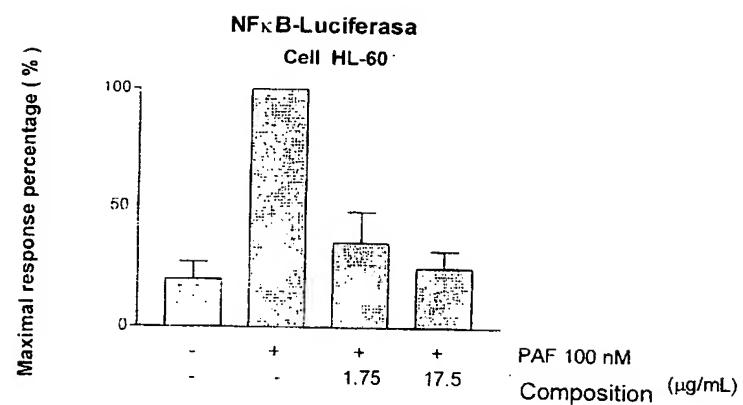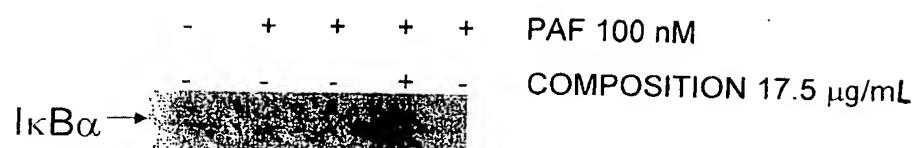
| | - | + | + | + | + | PAF 100 nM |
| | - | - | - | + | - | COMPOSITION 17.5 µg/mL |

IκBα →

NFκB-Luciferasa
Cell HL-60

Maximal response percentage (%)

100 —

50 —

0 —

| - | + | + | + | PAF 100 nM |
| - | - | 1.75 | 17.5 | Composition (µg/mL) |

Figure 5
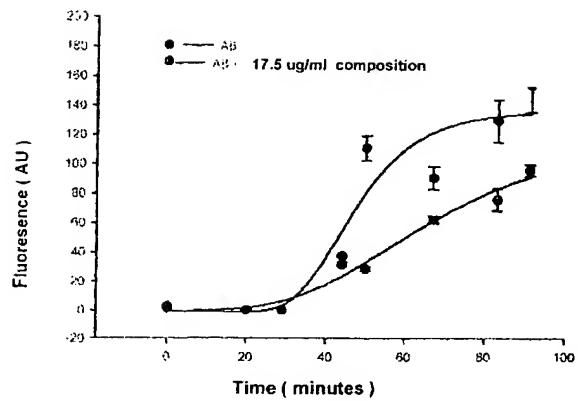
Ct Aβ 26 hrs.   Aβ + **17.5 ug/ml de la composition**